DOSANOVA

Kitchen & food plant cleaning equipment.

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Other Dosanova catalogues

CAR WASH

Farm & agriculture

DOSANOVA

Official European dealer:

Grundfos
Danfoss
Interpump
Annovi Reverberi
PA- High pressure washing accessories
CT - Chierici Tito - Spraying accessories
MAER Idropulitrici
R+M Suttner
Dosatron - Water driven pumps
Mosmatic
Ramex
TEHA
Merlett

Terms & conditions:

All pictures showing the product(s) are illustrations and may not be identical to the product(s).

Edition: 2013.4

Click & clean LPJET Series

The Click & Clean LP jet series are specially made for cleaning in high care areas who require a pressure increase and several hours cleaning a day. This units are especially made for bakeries, butcheries, and high care food and beverage production areas.

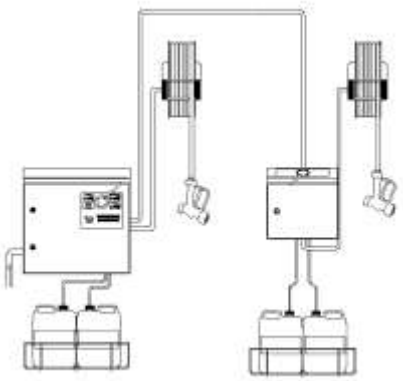
Click & clean LPJET units are equipped with:

- Stainless steel Grundfos booster pomp, with Bleu flux "best efficient label an pressure manager for automatic on/off switch.
- Maintenance free Series 3000 valve for water, chemicals and air.
- 2 separated chemical injectors with adjustable dosing ratio (0.15-15%) and suction hoses for chemicals and disinfectant.
- Air regulator.
- Closable stainless steel cabinet with sloop roof for easy maintenance.
- LPjet14 works as a main station and provides pressure to a second Click & clean satellites.

With an single lever, the operator changes between the different medias. Compressed air and water is connected to the unit. The Click & clean LPjet offers distribution of 2 different chemicals (e.g. Foam chemicals and disinfectant) and clear water rinse.

Model	LP JET9 Ref.100.130	LPJET14 Ref. 100.132
Water Inlet	1"BSP	1"BSP
Supply pressure:	2 - 6 bar	2 - 6 bar
Minimal flow:	20 lpm	60 lpm
Max. water temperature:	80°C	80°C
Max. outgoing pressure:	16 bar	18 bar
Air inlet:	1/4"BSP	1/4"BSP
Supply pressure:	1 - 6 bar	1 - 6 bar
Users:	1	1-3
Chemical dilution:	2	2
Chemical injectors:	2	2
Chemical dosing ratio:	0.15 - 15%	0.15 - 15%
Voltage:	1 x 230V	1 x 230V
Power:	0,96Kw	3,2Kw

LPJET14 mounting



Click & clean LPJET 9 mobile version

Click & clean LPJET9 can be delivered plug & play on the mobile Dosanova heavy duty trolley for cleaning and disinfection of open spaces.
This stainless steel heavy duty trolley is equipped with a double container holder for 2 x 25 or 3 x 5 liter chemical cans. A stainless steel automatic hose reel with Blufood cleaning hose, spray gun with trigger and a triple click nozzle.

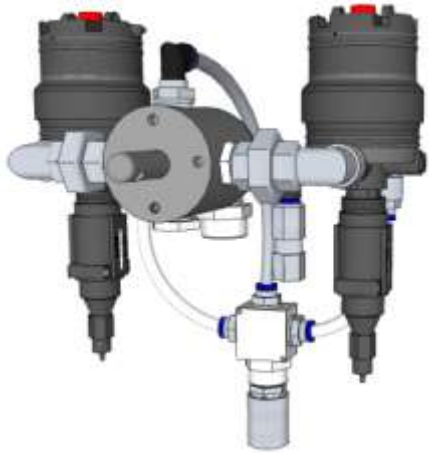
Ref.	Description
100.130	Click & clean LPJET9 wall mount version
100.130XM	Click & clean LPJET9 Mobile version
100.132	Click & clean LPJET14 main station

Click & clean Micronova

This patented low pressure cleaning system delivers great performances.
Super foam quality, precision dosing even in fluctuating water pressures.

With the single lever Click & clean unit, it's impossible to make mistakes, mix chemicals or manipulate the process.
Click & clean LP Micronova units are connected to the normal water network and compressed air.

The system is supplied in a stainless steel closable cabinet with sloop roof.



Click & clean LP Micronova units are equipped with:

- 2 complete separated Hydraulic - water driven injectors and suction hoses for chemicals and disinfectant.
- Maintenance free Series 3000 valve for water, chemicals and air.
- Air regulator.
- Closable stainless steel cabinet with sloop roof for easy maintenance.
- BA antipollution check valve.

Technical data:

Water connection	**3/4"F**
Water pressure	2 - 6 bar
Water temperature	0 - 40°C.
Air connection	1/4"F
Air pressure	1 - 6 bar
Basic functions	• Foam cleaning • Disinfection • Clear water rinse
Chemical injectors	2 - 100% separated
Dosing ratio	1 - 5%
Materials	Stainless steel
Dimensions HxWxD	400 x 400 x 210 mm.

Standard included in the mobile satellite:
Stainless steel Heavy duty trolley.

Automatic stainless steel hose reel.

20 meter Foodjet hose.
Spray gun with triple click nozzle.

Ref.	Description
100.120	Click & clean Micronova wall mount version
100.120XM	Click & clean Micronova mobile version

Foamatron

The Foamatron low pressure foam generator is designed primarily for cleaning and sanitizing in transport and food processing facility but can also be used but anywhere where foam cleaning is practiced; for example in agriculture, horticultural or solar panel cleaning applications.

Foamatron is a low pressure cleaning system who's made for automatic dosing of water with chemical and generates automatically the mixture to a superb foam.
The Foamatron doesn't need electricity, it requires water and compressed air and chemical.

The benefit of the foam is that the contact time of the chemical is up to 300% longer on the surface than a traditional chemical spray.
The longer the chemical can act on the surface, the better result the cleaning or the sanitizing effect of the chemical.

With the Foamatron, all parameters such as energy, time, chemistry and temperature are in balance. When this occurs you achieve maximum results with minimal consumption of water, energy,
this means not only an approximately 50% reduction of water consumption but also ca 10%
lower temperature used in production. Thanks to a correct use of pressure and flow in the system, these savings obtained without compromising on performance or quality.

DOSATRON®
WATER POWERED DOSING TECHNOLOGY

The Foamatron can be equipped with the complete D3 Dosatron series.
Depending the dosing ratio and the chemical resistant of the chemical, you can choose your injector.

Foamatron Technical data:

Water connection	**3/4"F**
Water pressure	2 - 6 bar
Water temperature	0 - 40°C.
Air connection	1/4"F
Air pressure	1 - 6 bar
Basic functions	• Foam cleaning
Chemical injector type	Hydraulic injector
Dosing ratio %	1 - 5 or 1 - 10
Materials	Stainless steel
Dimensions HxWxD	1200 x 1200 x 800 mm.

A mobile Foamatron is available

Standard included:

- Foamatron unit
- Stainless steel Heavy duty trolley.
- Automatic stainless steel hose reel.
- 20 meter Foodjet hose.
- Ball valve with foam lance.

Foamatron **Special versions:**

Version E: For user is food plants or kitchens, there is a complete hygienic unit available. The Foamatron is build in a stainless steel closable cabinet with sloop roof.
The unit is also popular for public systems where dosage or other manipulation is ruled out, or where systems must be protected from vandalism.
Dimensions: H600xW400xD210mm.
Version VF: Viton seal recommended seals for acids, oils, odor- or pest control concentrates.
Version AF: recommended seals for alkaline concentrates.
Version PVDF: housing for highly concentrated acids and other aggressive concentrates.
Version K: recommended seals for highly concentrated acids (> 15 %) - systematically PVDF.
Version T: when installing the Dosatron on a hot water system (60°C [140°F] max.)

Reference	Description	Dosage range
100.147X5VF	Foamatron - VF Seal	1 - 5 %
100.147X5AF	Foamatron - AF seal	1 - 5%
100.147X5PVDF	Foamatron PVDF body - K sael	1 - 5%
100.147X5AFM	Foamatron - AF seal Mobile	1 - 5%
100.147X5AFE	Foamatron - in cabinet	1 - 5%
100.147X10VF	Foamatron - VF Seal	1 - 10%
100.147X10AF	Foamatron - AF seal	1 - 10%
100.147X10PVDF	Foamatron PVDF body - K sael	1 - 10%
100.147X10AFM	Foamatron - AF seal Mobile	1 - 10%
100.147X10E	Foamatron - in cabinet	1 - 10%

Specials accessoires For Foamatron units.

Normal flow

Reference	Description
121.340	Foodjet 1/2" food certificated hose 20 m. stainless steel couplings.
260.110	Automatic stainless steel hose reel for 20meter 1/2"hose.
140.025	Stainless steel ball valve with oval grip, lance and foam nozzle 200LPM.
High flow	
121.130X20	Technova 3/4" high volume foam hose 20meter.
260.125	Automatic stainless steel hose reel for 20meter 3/4"hose.
140.184	Foam lance POM High volume foam lance 400LPM.

ECOSPRAY

Basic functions:

Dilution of 2 chemicals and clear water rinse.

This low budget double chemical dilution unit delivers great performances in smaller food applications like e.g. catering, restaurants, kitchens, etc., but is used also in carwash and agricultural applications like milking rooms.

With this single lever system it's easy to switch to 3 different functions. If the user switches from chemical 1 to chemical 2, the unit passes automatically the clear water rinse position so, mixing chemicals is impossible.

The Ecospray is standard equipped with:

- double PVDF chemical injector who is ultra resistant against a wide range of chemicals and repulsive against calcification when hard water is used.
- "BA" antipollution check valve.
- Stainless steel 2mm - robust wall plate and cover.
- 15 different dosing regulator tips.
- 3000mm chemical suction hose.
- 2 chemical suction filters with stainless steel meshwork.
- Gaskets and screws.

Optional models with hoses are also equipped with:

- Spray gun with AISI316 inside parts and AISI316 rotating swivel.
- 5 layer "FOODJET" flexible cleaning hose with textile meshwork.

Technical data	
Water inlet	3/4"F BSP
Water pressure	2 - 6 bar.
Water flow at rinse	Max. 30lpm.
Water flow at chemical spray	Max. 18 lpm.
Outlet	1/2"M BSP
Water temperature	0 - 70 C°.
Chemical injectors	2
Injector type	Venturi
Chemical dosing ratio	0.15 - 25%
Materials	Stainless steel - PVDF
Rec. install height	1300mm.
Dimensions	H260 x W270 x D 120mm
Min. hose ø	DN12
Max. hose length	20 meter

Reference	Description
100.165	Ecospray - double spray cleaning system
100.165X15	Ecospray - double spray cleaning system + 15 meter flexible hose and spray gun.
100.165X20	Ecospray - double spray cleaning system + 20 meter flexible hose and spray gun.

Click & fill

Multi product dilution station with transfer gun.
Filling buckets, sinks, floor scrubbers, bottles..exc.

Benefits:

- 4 product dilution and mixing station with high chemical resistance.
- High flow rate
- BA antipollution valve integrated.
- No free air gab flow. Doesn't leak with back pressure.
- Robust stainless steel cabinet.
- Maintenance free stainless steel AISI 316 chemical selector.

Technical data Click & Fill	
Max. water pressure:	20 bar.
Max. Water flow:	23 lpm.
Max. temperature:	70°C.
Standard hose length:	1500 mm.
Max. Hose length:	20 meter
Dosing adjustment:	Inserts (15pc)
Dosing range:	0.15 - 25%
Water inlet:	3/4"F
Dimensions:	W225 x H255 x D230mm.

Series 1000, chemical selector.

Materials: Stainless steel AISI316 , Teflon seals.

Reference	Description
100.400	Click & fill - 4 product mixing station.

Water boosters for Medium pressures

You are in safe and reliable hands when you let Grundfos be a part of your washing and cleaning applications. Dosanova offers a variety of efficient pumps for e.g.:

- Wash-down systems.
- CIP/SIP.
- Part washers.
- Vehicle washers.

The thoroughly tested range is built on more than 60 years of experience and includes very compact pump that will save you space without compromising performance. In addition to the pump themselves, Grundfos offers you an array of motors, speed controls an monitors that will improve the energy efficiency of the system.
As a truly global company, Grundfos is always by your side. Grundfos guaranties service in 45countries with 600 service partners in your local language.

Model	Parameter	50	120	150	150X2	300X2	450X2	600X4
	Reference	961.50	961.120	961.150	961.152	961.300	961.450	961.600
Outgoing pressure	Bar	20-25	20-25	20-25	20-25	20-25	20-25	20-25
Consumption	Liter/min.	0-30	0-90	0-150	0-150	0-300	0-450	0-600
Flow capacity	Liter/min.	50	120	165	165	330	495	660
Users (30l/user)		1/2	3/4	5	5	10	15	20
Inlet	Inch	1 1/4	1 1/4	1 1/4	2 1/2	2 1/2	2 1/2	2 1/2
Supply pressure	Bar	3	3	3	3	3	3	3
Max. temperature	C°	70	70	70	70	70	70	70
Outlet	Inch	1	1	1	2 1/2	2 1/2	2 1/2	2 1/2
Voltage	Volt	3x400	3x400	3x400	3x400	3x400	3x400	3x400
Power	kW	2.2	4	7.5	7.5	15	22.5	30

Dosanova

Rhinojet, Booster station

Rhinojet Advanced boosters are placed in food production rooms. These boosters are pump units which can increase the water pressure.
They function as water booster only and are not equipped with injector systems.
The boosters are equipped with specially designed stainless steel AISI316, frequented controlled, Grundfos pumps with Blue Flux best efficiency label.

The cabinets have finely pre-grained finish and a design intended to eliminate microbiological traps, combines to provide the ultimate enclosure for environments where the hygienic requirements are strict. An integral sloping roof offers additional protection and leads to self-draining of liquids.

All Rhinojet boosters are equipped with Grundfos CRNE non self-priming, vertical multistage centrifugal pumps.
The pump is fitted with an IEC-flanged three-phase MGE motor with frequency converter and PI-controller integrated in the motor terminal box. No additional motor protection is required asboth motor and electronics are protected by integrated overload and temperature protection.
External sensor can be connected if controlled pump operation based on for example flow, differential pressure or temperature is required.

Reference:		10022MP40	10022MP66	10022MP100	10022HS40	10022HS90
Rhinojet booster		MP40	MP66	MP100	HS40	HS90
Max.Outgoing pressure	Bar	30	30	30	50	50
Flow capacity	Liter/min.	40	70	100	40	90
Users	Persons	1-2	1-3	1-5	1-2	1-4
Inlet	Inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Supply pressure	Bar	1-8	1-8	1-8	1-8	1-8
Max. temperature	C°.	120	120	120	120	120
Voltage	Volt	3 x 400V	3 x 400V	3 x 400V	3 x 400V	3 x 400V
Power	Kw	3	5	7,5	7,5	7,5

Click & clean De-central satellite

The Click & clean de-central satellite, is available mobile or wall mounted for usage in food production areas and kitchens.

With an single lever, the operator changes between the different medias.

The satellite is delivered in a highly hygienic stainless steel lockable cabinet, with a sloping roof, so no rinsing water remains.

Technical data:

Water connection	**1/2"M BSP 60°**
Water pressure	10 - 350 bar
Water temperature	0 - 90°C.
Air connection	1/2"M BSP 60°
Air pressure	1 - 10 bar
Basic functions	• Foam cleaning • Disinfection • Clear water rinse
Chemical injectors	2 - 100% separated
Dosing ratio	0.15 - 15%
Materials	Stainless steel
Dimensions HxWxD	400 x 400 x 210 mm.

Standard accessories included in the wall mount satellite:

Yellow chemical suction kit (disinfection), blue chemical suction kit (disinfection), Dosing regulator tips (8).

Standard included in the mobile satellite:

- Click & clean satellite with accessories.
- Stainless steel Heavy duty trolley.
- Automatic stainless steel hose reel.
- 20 meter Foodjet hose.
- Spray gun with triple click nozzle.

Ref.	Description
100.201	Click & clean De-central
100.201XM	Click & clean De-central mobile version

Click & clean Rhinojet Mobile.

Standard included in the mobile satellite:

- Rhinojet booster pump
- Click & clean De-central unit
- Stainless steel closable cabinet.
- Pressure gauge - incoming pressure.
- Pressure gauge - outgoing pressure.
- Yellow & blue chemical suction kits.
- Dosing regulator kit.
- Stainless steel Heavy duty trolley with 4 big wheels, 2 swiveling with brake.
- Automatic stainless steel hose reel.
- 20 meter Foodjet hose.
- Ball valve with triple click nozzle.

Technical data:

Water connection	**1"M**
Water supply pressure	2 - 6bar
Water consumption	40 liter
Water pressure outlet	30 bar
Water temperature	0 - 90°C.
Air connection	1/4"F.
Air pressure	1 - 10 bar
Supply voltage (V/Hz)	3 x 400V - 50Hz.
Motor Load	4Kw.
Basic functions	• Foam cleaning • Disinfection • Clear water rinse
Chemical injectors	2 - 100% separated
Dosing ratio	0.15 - 15%
Materials	Stainless steel
Pump type	Grundfos CRNE - HS
Dimensions HxWxD	1200 x 800 x1 200 mm.

Ref.	Description
100.230	Click & clean Rhinojet mobile

ECOJET Food - central satellite

The ECOJET central can be used together with water boosters and pre diluted systems for chemical dosage.

This unit is wall-mounted in the production area and is suitable for water pressures between 3 and 150 bar.

All inside adapters made in stainless steel AISI316. Standard equipped with air regulator.

The ECOJET Food Central, manages both centrally dosed chemical and disinfectant solutions, and thanks to an integrated injector, an optional chemical solution.

This unit is essentially an alternative for customers who want centralized dosage.

Technical data:

Water connection	**1/2"F**
Premixed chemical connections	1/2"F
Water pressure	3 - 150 bar
Water temperature	0 - 90°C.
Air connection	1/2"F
Air pressure	1 - 10 bar
Basic functions	• Foam cleaning • Disinfection • Clear water rinse
Materials	Stainless steel
Dimensions HxWxD	400 x 400 x 210 mm.

Ref.	Description
100.357	ECOJET Food central

Click & clean central satellite

The Click & clean central can be used together with water boosters and pre diluted systems for chemical dosage.
This unit is wall-mounted in the production area and is suitable for water pressures between 3 and 60 bar. The Click & clean Central, manages both centrally dosed chemical and disinfectant solutions, and thanks to an integrated injector, an optional chemical solution. This unit is essentially an alternative for customers who want centralized dosage.
With an single lever, the operator changes between the different medias.

The satellite is delivered in a highly hygienic stainless steel lockable cabinet, with a sloping roof, so no rinsing water remains.

Click & clean patented selector valve is made in stainless steel AISI316 and PVDF bearings.

It's made to be resistant to the most aggressive chemicals who are used in food plants and kitchens.

Technical data:

Water connection	**1/2"M BSP 60°**
Premixed chemical connections	1/2"M BSP 60°
Water pressure	3 - 60 bar
Water temperature	0 - 90°C.
Air connection	1/2"M BSP 60°
Air pressure	1 - 10 bar
Basic functions	• Foam cleaning • Disinfection • Clear water rinse • Complete stop
Materials	Stainless steel
Dimensions HxWxD	400 x 400 x 210 mm.

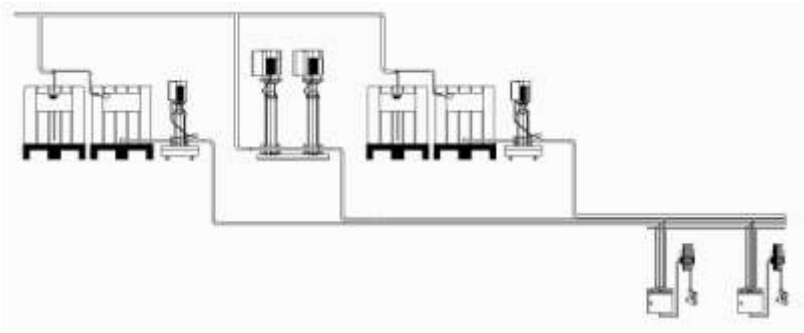
Click & clean MP Central Benefits:

- ✓ Impossible to mix chemicals
- ✓ Impossible to manipulate or make mistakes.
- ✓ On lever system Opens automatically the water, chemical and compressed air inlets for every selected position.
- ✓ No O rings in the system or other intensive maintenance parts.
- ✓ Compatible with every detergent / sanitizer.
- ✓ No quick coupling to switch hose from positions.

Ref.	Description
100.200	Click & clean Central

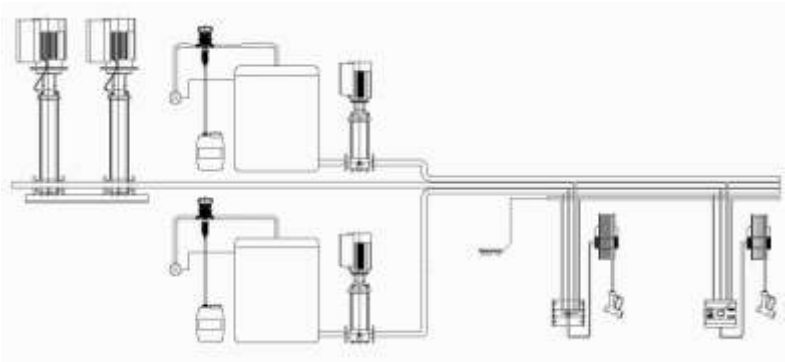
Dosanova

Dosanova Central Cleaning Units (CCU), enables the food industry to obtain ultimate hygiene at reduced cost and environmental impact, in a good working setting.
The central components provide the correct pressure, flow and chemical concentration, where needed, for up to 20 simultaneous users. The water pump centre and the chemical centre are normally placed in a centrally located area.



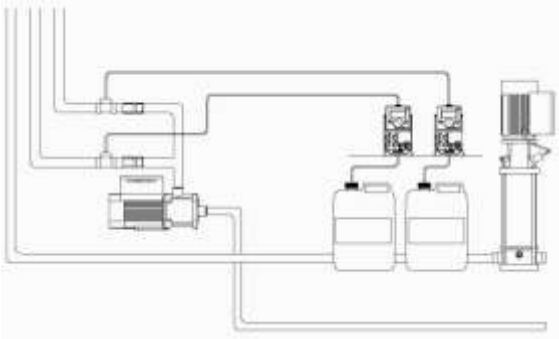
RHINO MP CCU Venturie

- low cost.
- Low maintenance.
- Easy installation



RHINO MP CCU Hydraulic

- low cost.
- Precision dosing
- big volume



RHINO MP CCU Digital

- Precision dosing
- Flow control (flow detection)
- Autoflowadapt (automatic flow adjustment)
- Data en history can be send to control room.
- E-Box profibus outlet.

Custom made automated cleaning equipment.

Automatic cleaning of production equipment in the food-processing industry, such as conveyor belts, cooking cabinets, smoking cabinets, automatic roasters, etc.

Stainless steel chemical injectors

ST160 injectors

3/8 "female thread 3/8" M: nozzle 9 mm. Injector ST-160 for chemical and foam applications. The chemical dosing is adjusted by 8 exchangeable nozzle (0.5 to 2 mm). 350 bar / 90 ° C

Reference	Drill hole
200 160 515	1.6mm
200 160 525	1.8 mm
200 160 540	2.1 mm
200 160 575	2,8 mm

3/8 "female thread 3/8" M: nozzle 9 mm. Injector ST-160 for chemical and foam applications. The chemical dosing is adjusted by a dosing metering valve.
350 bar / 90 ° C

Reference	Drill hole
200 160 615	1.6mm
200 160 625	1.8 mm
200 160 640	2.1 mm
200 160 675	2,8 mm

ST166 injectors

3/8 "female thread 3/8" M: 2 grommets 9 mm. injector for chemical and foam applications. The injector can be up to two chemicals simultaneously suck / admixed. The chemical dosing is adjusted by 2 x 8 exchangeable nozzle (0.5 to 2 mm). 350 bar / 90 ° C

Reference	Drill hole
200 166 500	1.3mm

Intake filter for chemicals

Reference
200031615

Chemical hose for ST injectors

Reference	
080000310	Bleu
080000320	Yellow

Hose tail with check valve

Reference
200163350

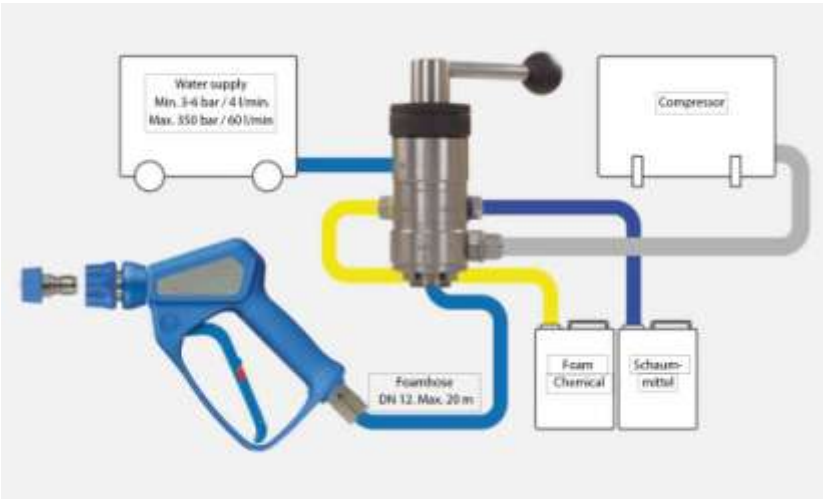
ST164 Dynamic foam injector

3/8 "F: 1/2" F: 2 x nozzle 9 mm. The chemical dosing is adjusted by 2 x 8 exchangeable nozzles (0.5 to 2 mm). 350 bar / 100 ° C

ST164 Dynamic foam (no air pressure supply)	
Reference	Description
200 164 504	ST164 dynamic injector 1.6mm hole
200 164 506	ST164 dynamic injector 1.8mm hole
200 164 509	ST164 dynamic injector 2,1mm hole
200 164 514	ST164 dynamic injector 2,8mm hole

ST164 with compressed air module

3/8 "F: 1/2" F: 2 x nozzle 9 mm. Compressed air module (1/4 ") The chemical dosing is adjusted by 2 x 8 interchangeable metering inserts (0.5 to 2 mm). 350 bar / 100 ° C

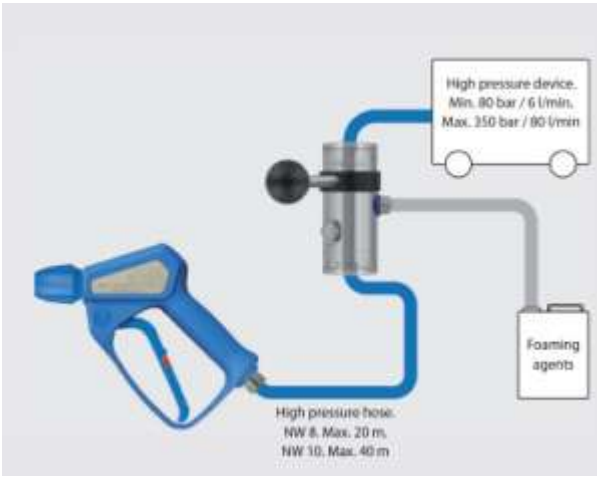


ST164 with air module	
Reference	Description
200 164 604	ST164 injector 1.6mm hole
200 164 506	ST164 injector 1.8mm hole
200 164 609	ST164 injector 2,1mm hole
200 164 614	ST164 injector 2,8mm hole

Single By-pass Chemical injectors

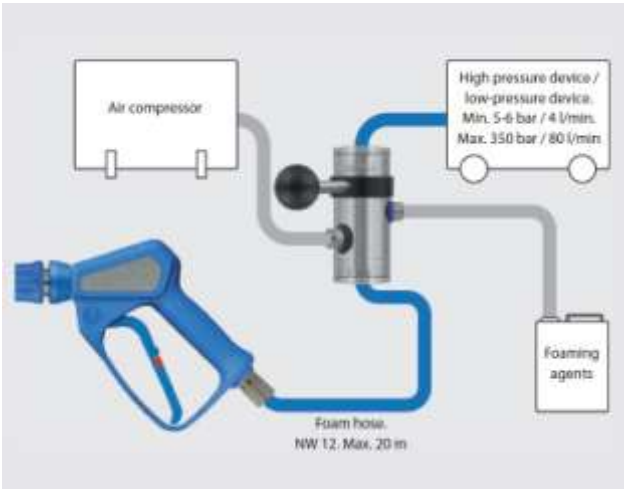
ST 167 dynamic foam by-pass injector.

1/2" F : 1/2" F : hose tail 9 mm. The chemical dosing is adjusted by 8 exchangeable nozzle inserts (0.5 - 2 mm).
Max. 350 bar / 100 °C



ST 168 d by-pass injector with air compressed air

1/2" F : 1/2" F. Injector with hose tail 9 mm and compressed air module (hose tail 9 mm). The chemical dosing is adjusted by 8 exchangeable nozzle inserts (0.5 - 2 mm). Max. 350 bar / 100 °C


Air compressor
High pressure device / low-pressure device.
Min. 5-6 bar / 4 l/min.
Max. 350 bar / 80 l/min
Foaming agents
Foam hose.
NW 12. Max. 20 m

ST167 Dynamic foam (no air pressure supply)	
Reference	Description
200 167 504	ST167 dynamic injector 1.6mm hole
200 167 506	ST167 dynamic injector 1.8mm hole
200 167 509	ST167 dynamic injector 2,1mm hole
200 167 514	ST167 dynamic injector 2,8mm hole

ST168 with air supply	
Reference	Description
200 168 604	ST168 injector 1.6mm hole
200 168 506	ST168 injector 1.8mm hole
200 168 609	ST168 injector 2,1mm hole
200168 614	ST168 injector 2,8mm hole

Chemical injectors with air intake for foam applications

ST160.2 Easyfoamer

For the FOAM ST-160.2, a non-self-aspirating foam lance is essential for the production of the foam. The amount of air required for foaming is supplied through an additional connection at the injector.
The injector is particularly suitable for the low-or medium-pressure from 5 bar inlet pressure and water produced with appropriate air supply excellent foaming.

Injector from chemically resistant stainless steel 1.4305 / AISI 304 Injector with metering valve ST-161, compressed air connection and wall bracket. Input / Output 1/2 ". 350 bar / 90 ° C

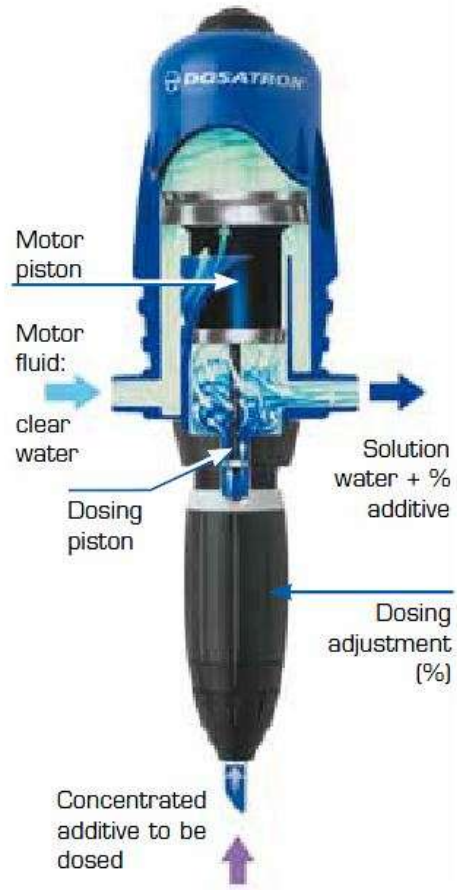
ST160.2 with air module	
Reference	Description
200 160 654	ST160.2 injector 1.6mm hole
200 160 656	ST160.2 injector 1.8mm hole
200 160 659	ST160.2 injector 2,1mm hole
200 160 666	ST160.2 injector 2,8mm hole

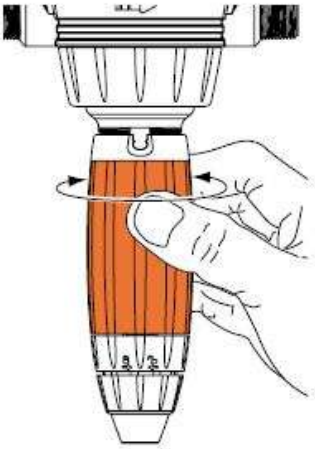
Dosatron is a solution for liquid to liquid precision dosing and mixing issues:

The DOSATRON water powered dosing pump is a simple and ingenious system that has demonstrated its worth since many decades in about a hundred countries.

Installed directly in the water supply line, the Dosatron operates without electricity ; it uses the flow of water as the power source. The water activates the Dosatron, which takes up the required percentage of concentrate and injects it into the water. Inside the Dosatron, the concentrate is mixed with the water, and the water pressure forces the solution downstream.

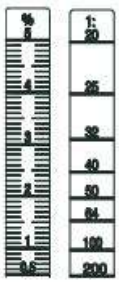
Once adjusted, the dispenser requires no action or external control . The dose of concentrate will be directly proportional to the volume of water entering the Dosatron, regardless of variations in flow and pressure which may occur in the main line.
The high dosing precision eliminates all risks of overdosing, thus contributing to respecting the environment.





Proportional injection externally adjustable

The injection rate is set by lining up the eyelet with the desired ratio on the scale.
The amount of injected concentrate is proportional to the amount of water coming into the Dosatron:
i.e. adjustment at 1% = 1 :100 = 1 volume of concentrate + 100 volumes of water.



Technology which is 100 %

- Proportional
- Non electric
- Integrating all dosing and mixing functions.
- Independent and precise
- User-friendly
- Installation and maintenance-friendly
- Environment-respecting

1. Flow of the water to be treated.

2. Dosage % of the chemical

3. Options

PVDF: housing for highly concentrated acids and other aggressive concentrates

IE: (External Injection) recommended for certain corrosive concentrates or polymers

Optimum Compatibility

Recommended seals:

AF: for alkaline concentrates
VF: for acids, oils, odour-or pest control concentrates
K: for highly concentrated acids (> 15 %) - systematicly PVDF.

H: Hastelloy plunger rod, a highly resistant alternative to stainless steel for some models

V: Kit for viscous concentrate recommended for more than 200 or 400 cPs (depending on model)

Injection hose: Special material hose and foot

BP: (Integrated by-pass) system of turning product injection on and off.

Belt: additional support for fixed or mobile installations

Adjustable injection range	Concentrated product injection L/h	Operating pressure

● : Standard
■ : Option
♦ : Not necessary for this model
▲ : please contact us.

Reference	%	Mini.	Max.	Bar	AF	VF	K	PVDF	H	IE	V	BP
0.7 m3/h range (5 l/h mini - 0.7 m3/h maxi)												
D 07 RE 125	0.15 - 1.25	0.0075	8.75	0,3 - 6	■	●	▲	■	♦	▲	▲	●
D 07 RE 5	0.8 - 5.5	0.8	38,5	0,3 - 6	■	●	▲	■	♦	▲	▲	●
2.5 m3/h range - DIA (4.5 l/h mini - 2.5 m3/h maxi)												
DIA 2 F	2	0.051	0.025	0.15 - 5.5	♦	●	♦				■	■
DIA 4 RE	1 - 4	0.026	0.36	0.15 - 4	♦	●	♦				■	■
2.5 m3/h range - D25 (10 l/h mini - 2.5 m3/h maxi)												
D 25 RE 1500	0.07 - 0.2	0.007	5	0.3 - 6	■	●	▲	■	▲	▲	▲	■
D 25 RE 09	0.1 - 0.9	0.01	22.5	0.3 - 6	■	●	■	■	♦	▲	▲	■
D 25 RE 2	0.2 - 2	0.02	50	0.3 - 6	■	●	■	■	♦	■	■	■
D 25 RE 5	1 - 5	0.1	125	0.3 - 6	■	●		■	♦	■	■	■
D 25 RE 10(1)	3 - 10	0.3	200	0.3 - 4	■	●	■	■	▲	■	■	■
3 m3/h range - D3 (10 l/h mini - 3 m3/h maxi)												
D 3 RE 3000	0.03 - 0.3	0.003	9	0.3 - 6	■	●	▲	■	▲	▲	▲	■
D 3 RE 2	0.2 - 2	0.02	60	0.3 - 6	■	●	■	■	♦	▲	■	■
D 3 RE 5	0.5 - 5	0.05	150	0.3 - 6	■	●	■	■	♦	▲	■	■
D 3 RE 10	1 - 10	0.1	300	0.3 - 6	■	●	■	■	♦	▲	■	■
D 3 RE 25(1)	5 - 25	0.5	500	0.3 - 4	■	●	▲	■	▲	▲	▲	■
4.5 m3/h range (100 l/h min i- 4.5 m3/h maxi)												
D 45 RE 3000	0.03 - 0.1	0.03	4.5	0.5 - 5	■	●	▲	■	■	▲	▲	●
D 45 RE 1.5	0.2 - 1.5	0.2	67.5	0.5 - 5	■	●	■	■	▲	■	▲	●
D 45 RE 3	0.5 - 3	0.5	135	0.5 - 5	■	●	▲	■	■	■	▲	●
D 45 RE 8	3 - 8	3	360	0.5 - 5	■	●	■	■	▲	■	▲	●
8 m3/h range (500 l/h mini - 8 m3/h maxi)												
D 8 RE 2	0.2 - 2	1	160	0.15 - 8	■	●	■	♦	♦	♦	♦	■
D 8 RE 5	1 - 5	5	400	0.15 - 8	■	●	■	♦	♦	♦	♦	■
Gamme 20 m3/h (1m3/h mini - 20 m3/h maxi)												
D 20 S	0.2 - 2	2	400	0-12 - 10	■	●	▲	▲	▲	▲	▲	●

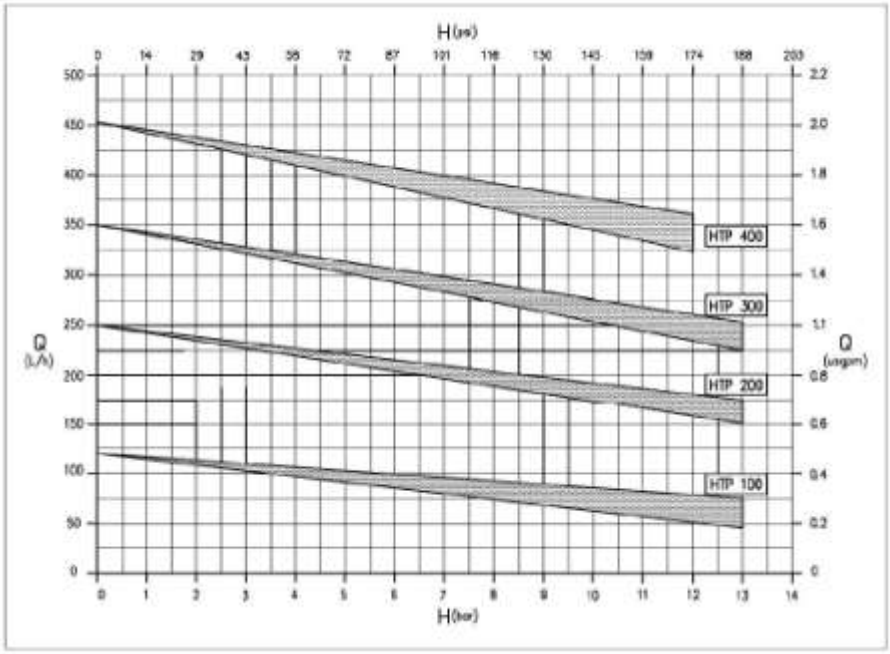
DOSATRON®
WATER POWERED DOSING TECHNOLOGY

ROTARY VANE
MAG - DRIVE PUMPS
DRY SELF PRIMING

MAG drive regenerative turbine pumps series HTA are made of AISI316 or, on request, in other metallic materials (HASTELLOY or TITANIUM) and are suitable for dangerous and inflammable liquids.
Thanks to the innovative MAG drive system, pumps model HTA reduce the risks of losses and the maintenance costs. The transmission of the motion occurs through magnetic joints without using mechanical seals. This guarantees the maximum hermetic safety and efficiency.

The pumped liquid has to be clean and without solids in suspension. Pumps series HTA are also available in ATEX version for zone 1 and 2 (pump model EM-T).

- High head / low flow capability minimizes by-pass requirements
- Materials available: AISI 316; Hastelloy, TITANIUM.
- Materials in contact with the liquid: casing and impeller: stainless steel AISI 316; O-ring EPDM/VITON.
- bushing: PTFEC.
- Shaft: Hastelloy C276.
- High torque magnetic coupling.
- Direct starting motors



Technical data

- Max flow 7 m3/h.
- Max head 75 mlc.
- Max Temperature: 160°C.
- Pressure Rating NP 25 at 20°C.

Optional

- ANSI 300 flanges available.
- Atex version (pump mod. EM-T).
- Explosion proof motor.
- Dry-running protection.
- Base plate.

Mag Drive pumps AISI316	
Reference	Description
XVPH0011	HPT100
XVPH0012	HPT200
XVPH0013	HPT300
XVPH0015	HPT400

Non-Metallic AIR-Pumps

Non metallic air-pumps are highly engineered diaphragm pumps, delivering a smooth, reliable flow at all circumstances. The new air valves design guarantees a perfect, non-stalling operation, even at low pressure and does not need any lubrication. Thanks to their unique design, they are able to handle very abrasive and / or viscous products.

The Air-pump will run dry indefinitely without damage. Verder has selected those materials, which offer the best combination of benefits to the end user. The used wetted pump part materials are Acetal, Polypropylene, Kynar, Aluminum, Cast Iron and Stainless Steel. For ball and /or diaphragm, Verder selected PTFE, Hytrel, Santoprene, Viton, BUNA-N, SS and Acetal.

Technical data	
Flow range:	0.1 - 19 l/min.
Max. operating Pressure:	7 bar
Nominal connection:	1/4"
Air connection:	1/8
Weight:	2,5kg
Suction lift (mwc)	9
Max. liquid temperature:	100°C
Material	PTFE

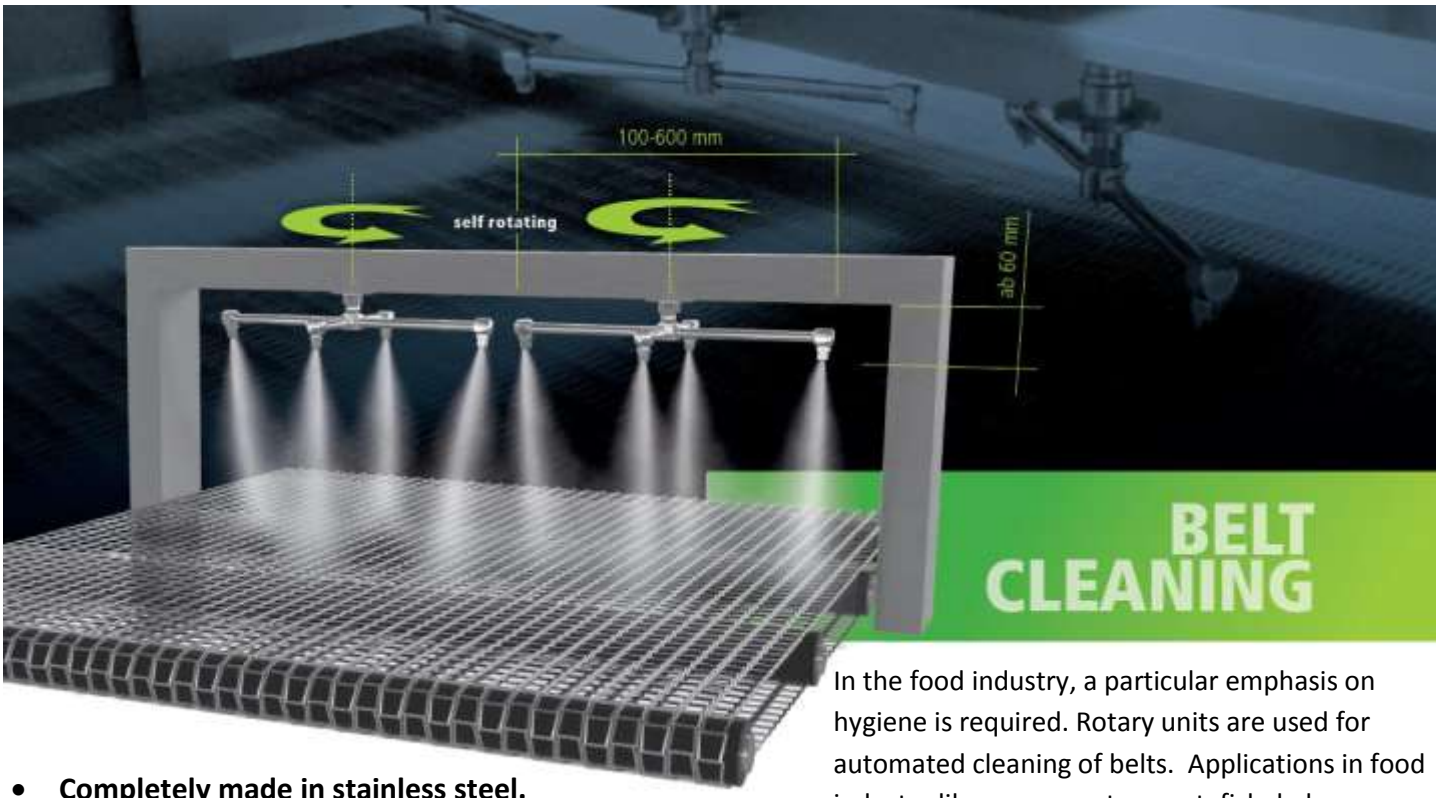
Features and advantages

- Easy installation
- Performs on-demand in remote locations.
- Extremely portable for multi-location use Easy to maintain
- Easy to operate
- Can run dry without pump damage
- No air lubrication necessary

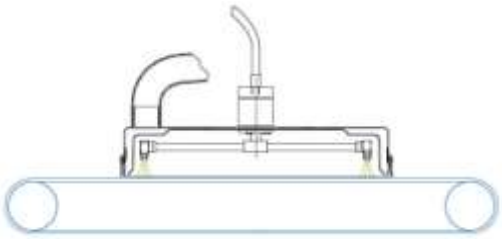
Applications

- Drum transfer
- Circulation of low/high viscosity inks, stains and dyes
- Waste fluid removal from quench tanks, sumps and spray booths Process transfer filling and emptying process vessels and mixing tanks
- Slurries and sludge
- Food transfer
- Ceramics
- Truck unloading

Ref.	Description
AIRH0011	Verderair 111 PTFE



- **Completely made in stainless steel.**
- **Durable and maintenance-free.**
- **Self rotating no drive needed.**
- **Rotation starts at 10 up to 275 bar.**
- **Chemical resistant pH 3-12**
- **Cold and hot water 0 - 120°C.**



In the food industry, a particular emphasis on hygiene is required. Rotary units are used for automated cleaning of belts. Applications in food industry like sugar, pasta, meat, fish, bakery, vegetables are examples. But this system can also be integrated in other industries where belts need to be cleaned.

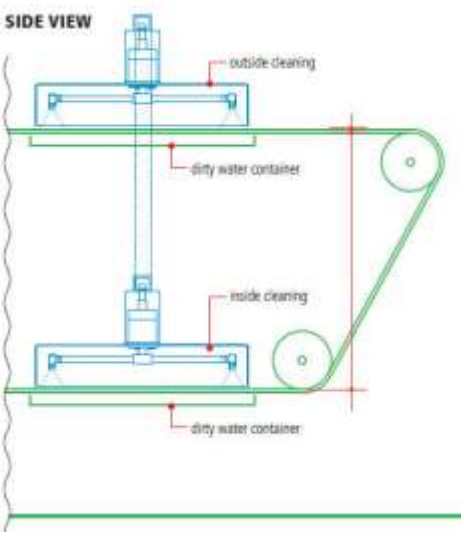
Complete plug & play cleaning head

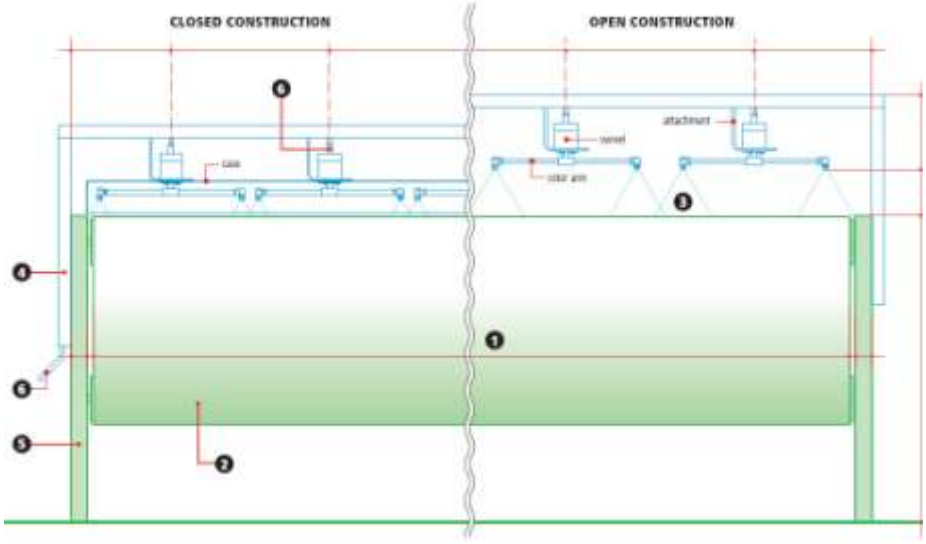
The conveyor belt cleaning sets with attention to hygiene and therefore components are produced exclusively from stainless steel. An advantage of the rotor cleaning head is the automated cleaning, of the conveyor no working hours, time saving, reliable, efficient and safe.

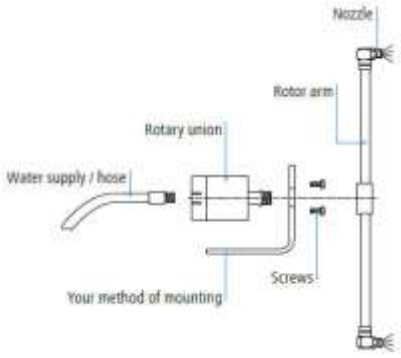
The system works only on water pressure and needs no other drive.
A simple but efficient and reliable way, With an optimal cleaning effect.
The system is low cost, 100% effective and maintenance free.

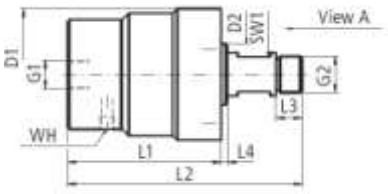
The Rotor belt cleaning system makes the cleaning process safe and easy.

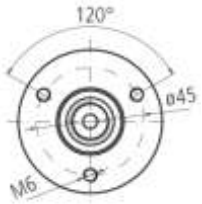
The Dosanova Belt cleaning systems are easy to integrate in existing and new conveyor belts.



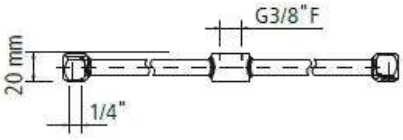








SW1	16
L1	72
L2	109
L3	12
L4	3
D1	60
D2	28



Functionality

As the water pressure builds, the rotor arms begin to rotate independently. The arm rotates only by the force of the water pressure and requires no other power. A simple but efficient and solid product for a optimum cleaning effect.

Quality

The rotary union is equipped with 4 PEEK bearings. Rotary union and rotor arms are completely in polished stainless steel. Long live and maintenance free.

Rotating Unit according to your specifications

Select the rotor arm according the surface who needs to be cleaned. Some rotor arms have different arm lengths to increase the cleaning impact.

Suitable for every high pressure

Reference	Product Description	Diameter
59603	Quadruple bearing rotary union G3/8"FM	60mm.
82731	Stst. rotor arm G3/8"F - 4 Nozzles 1/4"F	200/200mm.
82733	Stst. rotor arm G3/8"F - 4 Nozzles 1/4"F	350/200mm.
82737	Stst. rotor arm G3/8"F - 4 Nozzles 1/4"F	400/250mm.
82742	Stst. rotor arm G3/8"F - 4 Nozzles 1/4"F	470/350mm.
82743	Stst. rotor arm G3/8"F - 4 Nozzles 1/4"F	500/350mm.

RB35

Spray gun with adjustable spray angle. Trigger guard. max.12bar / 50lpm / 80°C.

Ref.	Mat.	Inlet
140.003	St.st.	1/2"sw

RB65

Spray gun with adjustable spray angle. Trigger guard. max.24bar / 60lpm / 90°C.

Ref.		Inlet
140.005		1/2"sw

RB65 on/off

Spray gun for extension 1/2"F outlet. max.24bar / 100lpm / 90°C.

Ref.	Inlet	Outlet
140.020	1/2"sw	1/2"F

RB65 with ST3100 coupling

max.24bar / 100lpm / 90°C.

Ref.		Inlet
140.022		1/2"sw

RB 65 with triple click nozzle

max.24bar / 100lpm / 90°C.

Ref.		Inlet
140.020		1/2"sw

Ball valve with protection

Stainless steel. Max.60bar/100lpm/90°

Ref.	Inlet	Outlet
140.112	1/2"F	1/2"F

ST3100

Professional gun with progressive closing system. Stainless steel. Max. 60 bar / 100 l/min / 150 °C

Ref.	Inlet	Outlet
203100840	1/2F	3/8F

ST3100 with coupling

Professional gun with progressive closing system. Stainless steel. Max. 60 bar / 100 l/min / 150 °C

Ref.		Inlet
203100820		1/2F

Shower head

Stainless steel. max. 8bar /60°C.

Ref.		Inlet
500101		1/2

Dosanova

ST-2700

Professional gun with patented LTF technology. Stainless steel. Gun for industrial cleaning applications.
Max. 310 bar / 45 l/min / 150 °C

Ref.	outlet	Inlet
202700500	1/4F.	3/8F

ST-2700 KW

Professional gun with patented LTF technology. Stainless steel. Gun with coupling KW.
Max. 310 bar / 45 l/min / 150 °C

Ref.	Outlet	Inlet
202700560	KW coupling	3/8F

ST2720 with ST3100 coupling

Professional gun with patented LTF technology. Stainless steel...
Max. 125 bar / 80 l/min / 150 °C

Ref.	Inlet	Outlet
202720550	1/2"sw	ST3100

ST2620

Gun with insulated handle 300mm st.steel and nozzle 50°200.
max125bar / 80lpm /150°C.

Ref.		Inlet
202620910		1/2"sw

RB 65 extension

St.steel Lance with 1/2"MF thread. Suitable for RB65 on/off and ball valve

Ref.		length
30.6456.40		400mm
30.6456.80		800mm

R5 - lances with nozzle protector

Stainless steel.lances 500mm.
Max.250bar / 160°C. 1/4"MF.

Ref.		Coulor
40.2160.00		Gray
40.2160.30		Red
40.2160.60		blue

Triple click nozzle

St.steel 3 in 1 nozzle. Replaces the traditional nozzles (foam, rinse and disinfection) in the food process.

Ref.	Inlet	nozzles
140.145	1/2M	15/25
		30/60
		50/200

Foam / Rinse / disinfection nozzle

Stainless steel nozzles with ST3100 nipple

Ref.	Color	Nozzle
140.155	white	15/25
140.160	Blue	30/40
140.165	Yellow	50/200

ST75 Foam head

St.steel Dynamic foam head with nozzle. 1/4"F. max. 310bar / 100°C

Ref.		Nozzle
200075514		1.6
200075515		1.9

Dosanova

ST-73 foam injector lance

1/4"F foam lance with regulator and bottle.
Max.250bar / 80°C

Ref.	Nozzle	Bottle
200073500	1.25	1L.
200073510	1.25	2L.

ST-73 foam lance KW nipple

Plug KW foam lance with regulator and bottle.
Max.250bar / 80°C

Ref.	Nozzle	Bottle
200073528	1.25	1L.
200073530	1.25	2L.
200073630	1.8	2L.

ST76 Foam blaster

Dynamic foam lance for airless big flow foam spraying. Min. 70bar.
Max.250bar /20-60lpm/100°C

Ref.		Nozzle
200076615		2.7
200076621		3.2
200076624		3.6

ST357.1 Turbo nozzles 250bar/100°C

Ref.	Drill	Inlet
200357530	03	1/4"F
200357535	035	1/4"F
200357540	04	1/4"F
200357545	04	1/4"F
200357550	05	1/4"F
200357555	055	1/4"F
200357560	060	1/4"F
200357565	065	1/4"F

ST85 Push & pull lance

Variable adjustment of spraying angle from 20 to 140°. Especially Designed for cleaning of places which are difficult to access.
St.steel. Max. 210 bar / 150 °C

Ref.	Length	Inlet
200085810	850mm	1/4"F
200085800	1000mm	1/4" F

ST340 large flow swivel

St.steel swivel with large flow.
Suitable for foam applications.
Max. 220bar / 90°C.

Ref.	Inlet	Outlet
200340010	1/2F	1/2M

ST310 swivel

Stainless steel swivel.
Max.350bar / 90°C.

Ref.	Inlet	Outlet
200310010	3/8F	3/8M

ST45 - 250KW quick couplings and plugs			
Max.250bar / 150°C			
	St.steel. F thread	St.steel with isolation F thread	St.steel. F thread

Thread	DN	Reference	Reference	Reference
1/4	10	200 045 570		040 005 482
3/8	10	200 045 560	200 045 565	557 209
1/2	10	200 045 550		557 29
M22	10	200 045 575		

ST3100 quick couplings and plugs				
Max.250bar / 150°C				
	St.steel with isolation F thread	St.steel with isolation M thread	St.steel. F thread	St.steel. M thread

Thread	DN	Reference	Reference	Reference	Reference
1/4	10			040 005 665	
3/8	12	203 100 456	203 100 475	040 005 667	040 005 668
1/2	12	203 100 455	203 100 656	040 005 661	040 005 662

KW bayonet quick couplings an plugs			M22 quick screw couplings and plugs			
Coupling KW 1/4"M st.st.	Plug KW 1/4F	Plug KW 1/4M	M22 : M. St. steel. Max. 500 bar	M22 : F. St. steel. Max. 500 bar	M22 M : F. St.steel. Max. 500 bar	M22 M : M. St.steel. Max. 500 bar

Reference	Reference	Reference	Reference	Reference	Reference	Reference
202700355	040001255	040001256	1/4 561 49	1/4 561 39	1/4 565 29	1/4 565 39
			3/8 561 69	3/8 561 59	3/8 565 49	3/8 56559
						1/2 56569

Pre-fixed cleaning hoses.

All prefixed hoses are delivered with stainless steel AISI316 couplings. Standard the hoses are delivered with Male / Female couplings of the same size. On the male size the hose is adjusted with a hose bend restrictor.

Blufood	Foodjet	1SN-smooth cover
Food hose according to 2002/72/EC. Especially designed for industrial foam cleaning applications. Suitable for: water and water mixes of usual cleaning detergents. Fivefold coated PVC hose with a flush surface. Twofold textile meshwork. Field of application: foam hose and pre-spraying hose in the food industry. Suitable for the contact with liquid food products. DN12(1/2") / 50bar / -20-+70°C.	Food hose EN 854. Particularly resistant to animal and poultry fats. Suitable for: oil, water, water-in-oil emulsions and water mixes with up to 50 % detergent. Interior synthetic, oil-resistant rubber. Tight textile meshwork. Surface synthetic rubber. Particularly abrasion-, oil-, ozone-resistant, weatherproof and food safe. Field of application: cleaning hose designed for the food industry. DN12(1/2") / 80bar / -40 - + 150°C.	Interior synthetic rubber. Very temperature-resistant. Resistant to usual washing agents. Single wire braid. Surface synthetic rubber. Non Marking (soot free). Abrasion-, oil-, ozone-resistant and weatherproof. Field of application: suitable for versatile, universal applications such as Food industry plants being equipped with e.g. tiles or special flooring. DN12 (1/2")/ 210bar / -40-+150°C.

Reference	Hose length	Couplings	Reference	Hose length	Couplings	Reference	Hose length m.	Couplings
30370	1	Non	30360	1	Non	302902	1	Non
30370X15	15	1/2"MF	30360X15	15	1/2"MF	302902X15	15	1/2"MF
30370X20	20	1/2"MF	30360X20	20	1/2"MF	302902X20	20	1/2"MF
30370X25	25	1/2"MF	30360X25	25	1/2"MF	302902X25	25	1/2"MF

1 SN Wrapped cover DN8	Black rubber hose	Hotclean
Interior synthetic rubber. Very temperature-resistant. Resistant to usual washing agents. Single wire braid. Surface synthetic rubber. Non Marking (soot free). Abrasion-, oil-, ozone-resistant and weatherproof. DN8 (1/4")/ 210bar / -40 - +150°C.	Black surface and interior. Industrial version for water and compressed air. Abrasion- and ozone-resistant. Burst pressure > 60 bar. DN 19 (3/4")Max. 20 bar. -10 °C - +60 °C Max. hose length = 100meter.	Light blue surface with white interior. Thermoplastic rubber, very resistant to chemicals. Suitable for transfer of food. DN19 (3/4") Max.20bar / -25 - +110°C. Max. hose length = 60meter.

Reference	Hose length	Couplings	Reference	Hose length	Couplings	Reference	Hose length	Couplings
30145	1	Non	30520	1	Non	121.160	1	Non
30145x15	15	3/8MF	30520X15	15	3/4 MF	121.160X15	15	3/4 MF
30145x20	20	3/8MF	30520X20	20	3/4 MF	121.160X20	20	3/4 MF

Automatic spring driven heavy duty hose reels in stainless steel.

Admitted diameters	**1/4" - 3/8" - 1/2"**
Max. working pressure:	200 bar (400bar on demand)
Max. temperature:	90°C.
Inlet thread size:	1/2" M
Outlet thread size:	1/2" F
Suitable for transfer:	Air, water, chemicals.

Reference	Max. hose length	Reference optional swivel bracket
260.100	15 meter	260.101
260.110	20 meter	260.111
260.117	35 meter	260.116
260.119	60 meter	Not available

Automatic spring driven heavy duty hose reels in stainless steel.

Admitted diameters	**3/4" - 1"**
Max. working pressure:	20 bar
Max. temperature:	90°C.
Inlet thread size:	1" M
Outlet thread size:	3/4" F
Suitable for transfer:	Air, water, chemicals.

Reference	Max. hose length 1" hose	Reference optional swivel bracket
260.120	13 meter	260.111
260.125	18 meter	260.126
260.130	25 meter	260.116
260.220	40 meter	Not available

Manual hose reels in stainless steel.

The STKI series suitable for applications in craft and industry:
The base frame is made out of canted steel sheet profiles which stand for excellent stability.
The drum rotates by means of an adjustable hand wheel being equipped with a free-wheel polyamide grip.
By means of a mechanical brake integrated in the bearing the drum can be slowly decelerated or even totally blocked.

Reference	In - outlet	Hose size	Max. pressure	Max. temp.	Max. hose length
260.500	1/2"F	1/2"	300 bar	100°C	35 meter
260.505	1/2"F	1/2"	300 bar	100°C	70 meter
260.510	3/4"F	3/4"	200 bar	100°C	20 meter
260.515	3/4"F	3/4"	200 bar	100°C	40 meter

Chemical can holders

Can holders, made in stainless steel and designed for wall mounting.

Ref.	type
270.100	1 x can 25 liter
270.110	2 x can 25 liter

Lance holder

Stainless steel lance holder for wall mounting. (lances not included)

Ref.
140.655

Hose support

Stainless steel hose holder for max 40 meter 1/2" hose.

Ref.	Dimensions
270.005	W350xD195xH155mm

Injector support

Support for stainless steel injectors Type ST160.2, ST164, ST167, ST168.

Ref.
200168420

Check valves

St.steel check valves. Opening pressure 0,05 - 0,1 bar. Max. 400bar / 90°C.

Ref.	Size
200264500	1/4 FF
200264520	3/8FF
200264540	1/2FF

Trolley

Stainless steel.heavy duty trolly. Mounting and floor plate, can holder for 2x25 liter. Hose reel attachments

Ref.
610.010

Self propeller cleaners

Stainless steel rotor cleaner with self lubricated bearings. Applications like ducts, containers, tanks, sewers.. Max. 275bar/ 120°C.

Ref.	Inlet	ø
10881502	3/8F	75mm
10881522		150mm
10881552		300mm

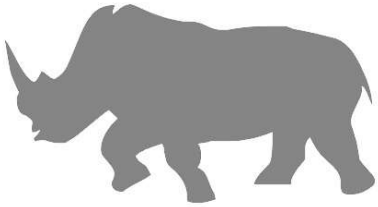
Solenoid valves

Official European Danfoss dealer.

Wide range of stainless steel high pressure solenoid, bleeding and check valve available on request.

Plunger pumps stainless steel.

Stainless steel AISI304, AISI316 and Super-duplex plunger pumps for technical water, seawater or corrosive chemicals.
Working hours up till 16.000Hours.
Wide range of models available on request.



DOSANOVA

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